

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **194-263 YELLOW R**

Supplier - Manufacturer **Chemcraft® International Inc.**
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For Transport Emergency or After Hours

CANUTEC (613) 996-6666

Code 194-263
Synonym YELLOW R
Chemical Name Not applicable.
Chemical Family Coloring material.
Chemical Formula Not applicable.
Material Uses Coatings: Additives for surface coatings
Product Identification Number (PIN) 1993 COMBUSTIBLE LIQUID NOS (GLYCOL ETHER)

Section 2. Hazardous Ingredients

Name	CAS #	% by Weight	<u>Exposure limits</u>	
			LC ₅₀ /LD ₅₀	TLV/PEL
Ethylene glycol monopropyl ether	2807-30-9	70 - 100	ORAL (LD50): Acute: 3089 mg/kg [Rat]. DERMAL (LD50): Acute: 1337 mg/kg [Rabbit]. VAPOR (LC50): Acute: 1530 mg/l 8 hour/hours [Rabbit].	TWA: 25 ppm

Trace impurities and additional material names not listed above may appear in other sections of this MSDS. These materials may be listed for toxicological concerns, local compliance, or other reasons.

Section 3. Physical Data

Physical State and Appearance Liquid. (Fluid liquid.)

Color Yellow. (Dark.) Odor Slight. Taste Not available.

Molecular Weight Not applicable.

pH (1% soln/water) Neutral.

Boiling Point The lowest known value is 149.5°C (301.1°F) (Ethanol, 2-propoxy-).

Melting Point May start to solidify at -90°C (-130°F) based on data for: Ethanol, 2-propoxy-.

Critical Temperature Not available.

Specific Gravity 1.03 (Water = 1)

Vapor Pressure The highest known value is 0.2 kPa (1.3 mm Hg) (at 20°C) (Ethanol, 2-propoxy-).

Vapor Density The highest known value is (Ethanol, 2-propoxy-).

Volatility Not available.

Odor Threshold Not available.

Water/Oil Dist. Coeff. The product is equally soluble in octanol and water.

Ionicity (in Water) Not available.

Dispersion Properties See solubility in water, methanol, diethyl ether, n-octanol.

Solubility Easily soluble in hot water, methanol, diethyl ether.
Soluble in cold water, n-octanol.

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Section 4. Fire and Explosion Hazard

The Product is:	Combustible.
Fire Hazards in Presence of Various Substances	Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge. Flammable in the presence of the following materials or conditions: heat, oxidizing materials, reducing materials and combustible materials.
Fire Fighting Media and Instructions	SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	Keep container tightly closed. Store away from direct sunlight. (Ethanol, 2-propoxy-)
Flash Points	Closed cup: Between 61°C (142°F) and 93.3°C (200°F).
Flammable Limits	The greatest known range is Lower: 1.26% Upper: 15.8% (Ethanol, 2-propoxy-)
Auto-Ignition Temperature	Not available.
Products of Combustion	These products are carbon oxides (CO, CO ₂).
Explosion Hazards in Presence of Various Substances	Not available.
Special Remarks on Explosion Hazards	Not available.

Section 5. Reactivity Data

Stability	The product is stable.
Decomposition products	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Reactive or incompatible with the following materials: oxidizing materials, reducing materials, organic materials, acids and alkalis. Non-reactive or compatible with the following materials: combustible materials, metals and moisture.
Corrosivity	Not available.
Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.

Section 6. Toxicological Properties

Routes of Entry	Dermal contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 3089 mg/kg [Rat]. (Ethanol, 2-propoxy-). Acute dermal toxicity (LD50): 1337 mg/kg [Rabbit]. (Ethanol, 2-propoxy-). Acute toxicity of the vapor (LC50): 1530 mg/l 8 hour/hours [Rabbit]. (Ethanol, 2-propoxy-).
Effects of Acute Exposure	Very hazardous in case of skin contact (permeator), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to blood, kidneys, liver. Repeated or prolonged exposure to the substance can produce target organs damage.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	May contain traces of ethylene oxide . Ethylene oxide has been reported to be a potential carcinogen. (Ethanol, 2-propoxy-)
Special Remarks on Other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract. (Ethanol, 2-propoxy-)
Exposure Limits	Not available.

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Section 7. Preventive Measures

Personal Protection	Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. Self-contained breathing apparatus (SCBA) should be used to avoid inhalation of the product. Suggested protective clothing might not be adequate. Consult a specialist before handling this product.	
Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.	
Small Spill	Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.	
Large Spill	Keep away from heat. Keep away from sources of ignition. Stop leak if without risk.	
Waste Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.	
Precautions	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents, organic materials, acids, alkalis.	
Storage	Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).	
TDG Classification	3	
PIN	1993 COMBUSTIBLE PG: III LIQUID NOS (GLYCOL ETHER)	
Special Provisions for Transport	-	
Federal and State Regulations	Pennsylvania RTK: Ethanol, 2-propoxy- New Jersey: Ethanol, 2-propoxy- SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Ethanol, 2-propoxy-: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard	
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	
Other Classifications	WHMIS (Canada)	Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). Class D-2B: Material causing other toxic effects (Toxic).
	HCS (U.S.A.)	Target organ effects Combustible liquid
Hazardous Material Information System (U.S.A.)	Health Hazard	* 1
	Fire Hazard	2
	Reactivity	0
	Personal Protection	G
National Fire Protection Association (U.S.A.)	Health	1
	Fire Hazard	2
	Reactivity	0
	Specific Hazard	

Section 8. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.
Hazardous Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Hazardous Inhalation	

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Move the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion

Do not induce vomiting. Examine the lips and mouth to ascertain if the tissues are damaged, a possible indication that toxic material was ingested. The absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Hazardous Ingestion

Not available.

Section 9. Preparation Information**References**

-Manufacturers Material Safety Data Sheets.

Other Special Considerations

This material contains Chromium at 1.1% w/w.

Related Information

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.

Preparation Information Validated by K. William on 9/14/2007.

Verified by K. William.

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Information Contact

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